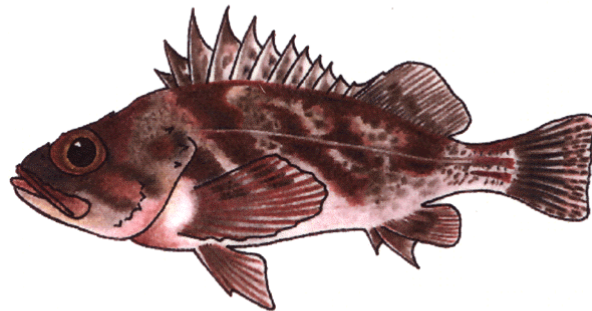


# Calico rockfish, *Sebastes dallii*

## 1993-1999 Commercial Catch by Ports & Blocks



### **Marine Fishery Profiles**

*Volume 1: Nearshore*

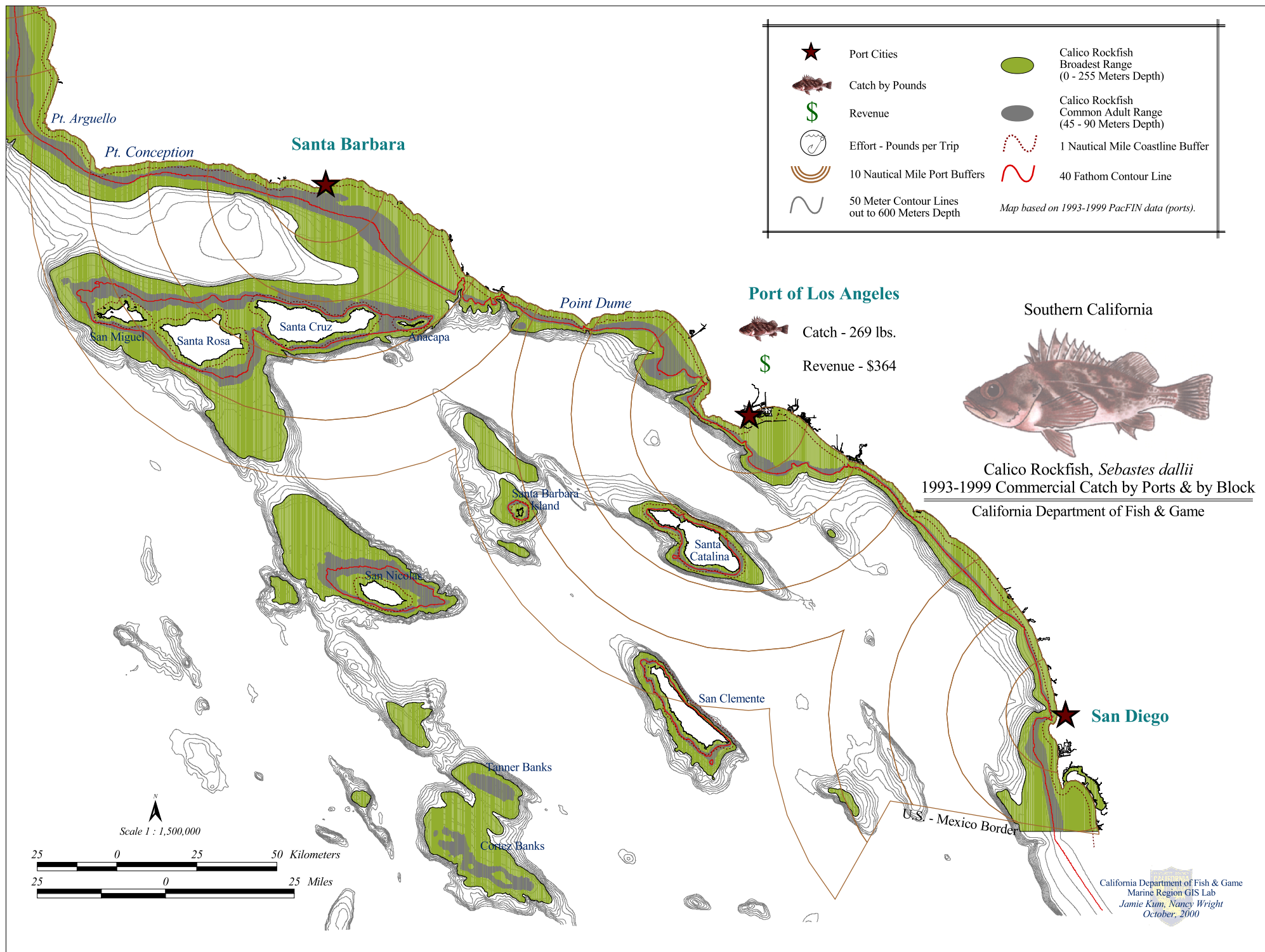
Marine Region GIS Lab

Nancy Wright	Eric Knaggs
Jamie Kum	Bob Leos
Chad King	Colleena Perez



California Department of Fish & Game  
Marine Region

December 2000



Santa Cruz

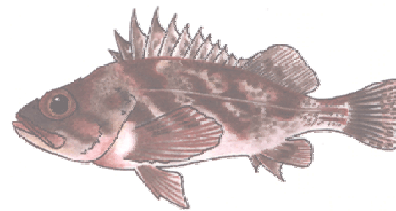
Monterey

Point Sur

Lopez Point

Point  
Piedras Blancas

Central Southern California



Calico Rockfish, *Sebastes dallii*  
1993-1999 Commercial Catch by Ports & by Block  
California Department of Fish & Game

Morro Bay

Point Sal

Pt. Arguello

Pt. Conception

San Miguel

Santa Rosa

Santa Cr



Port Cities



Catch by Pounds



Revenue



Effort - Pounds per Trip



10 Nautical Mile Port Buffers



50 Meter Contour Lines  
out to 600 Meters Depth



Calico Rockfish  
Broadest Range  
(0 - 255 Meters Depth)



Calico Rockfish  
Common Adult Range  
(45 - 90 Meters Depth)



1 Nautical Mile Coastline Buffer



40 Fathom Contour Line

Map based on 1993-1999 PacFIN data (ports).

California Department of Fish & Game  
Marine Region GIS Lab  
Jamie Kim, Nancy Wright  
October, 2000

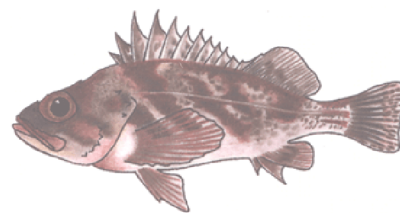


Scale 1 : 1,500,000

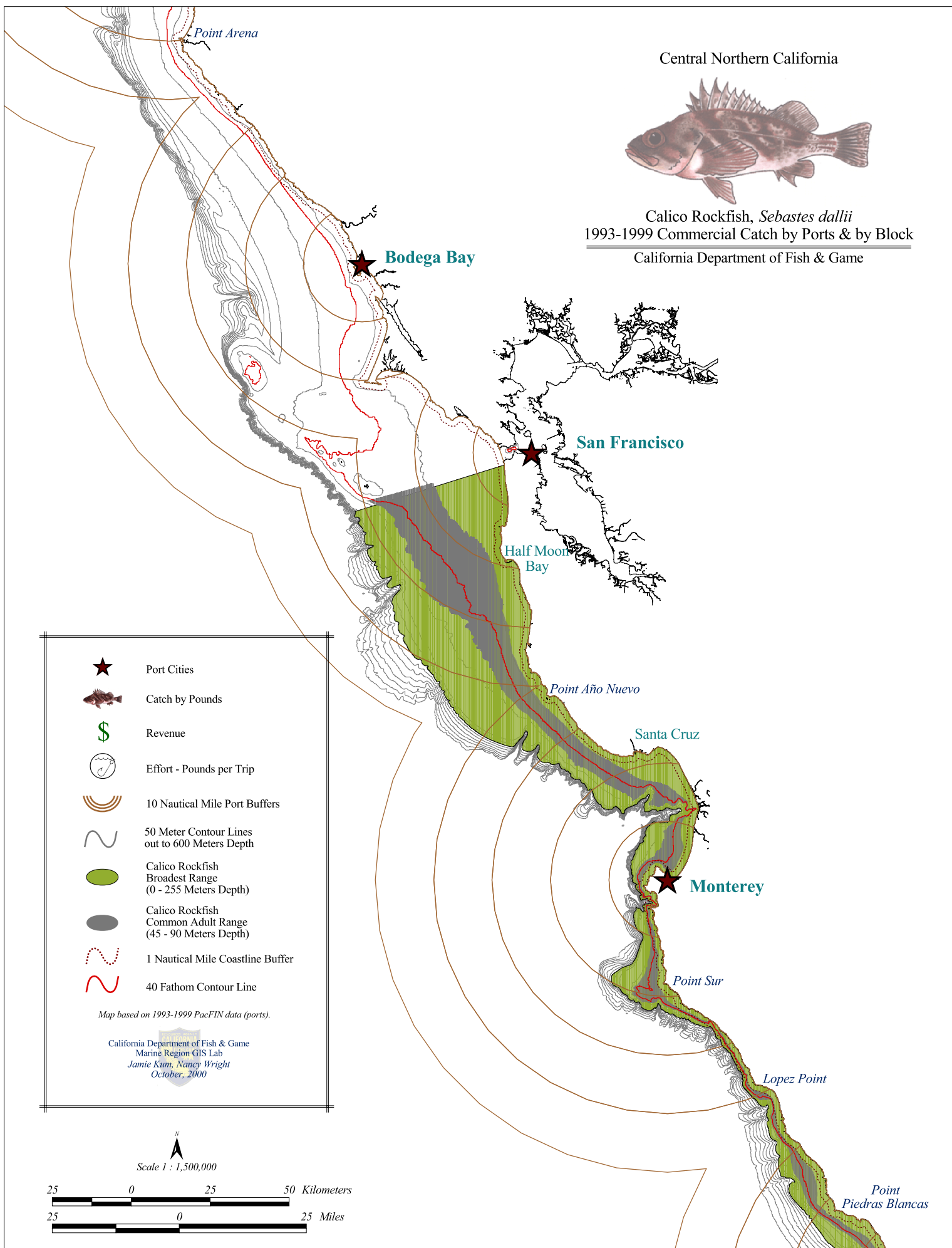
25 0 25 50 Kilometers

25 0 25 Miles

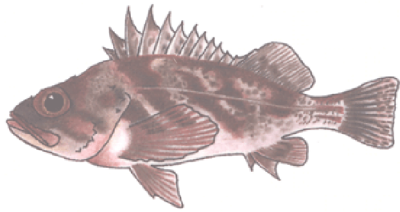
# Central Northern California



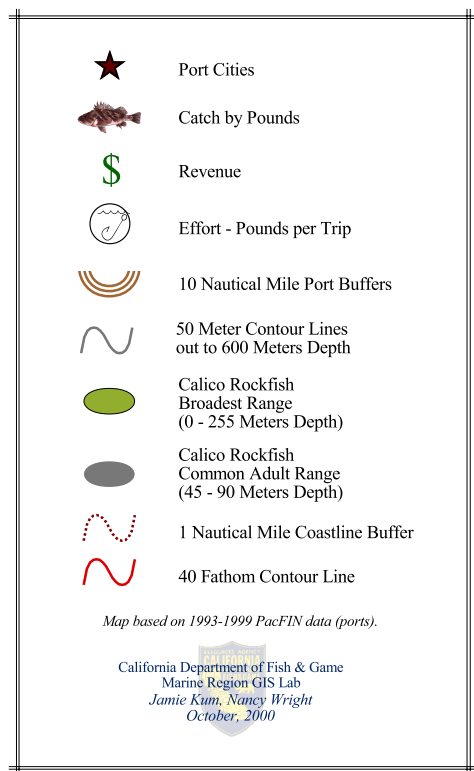
## Calico Rockfish, *Sebastes dallii* 1993-1999 Commercial Catch by Ports & by Block California Department of Fish & Game



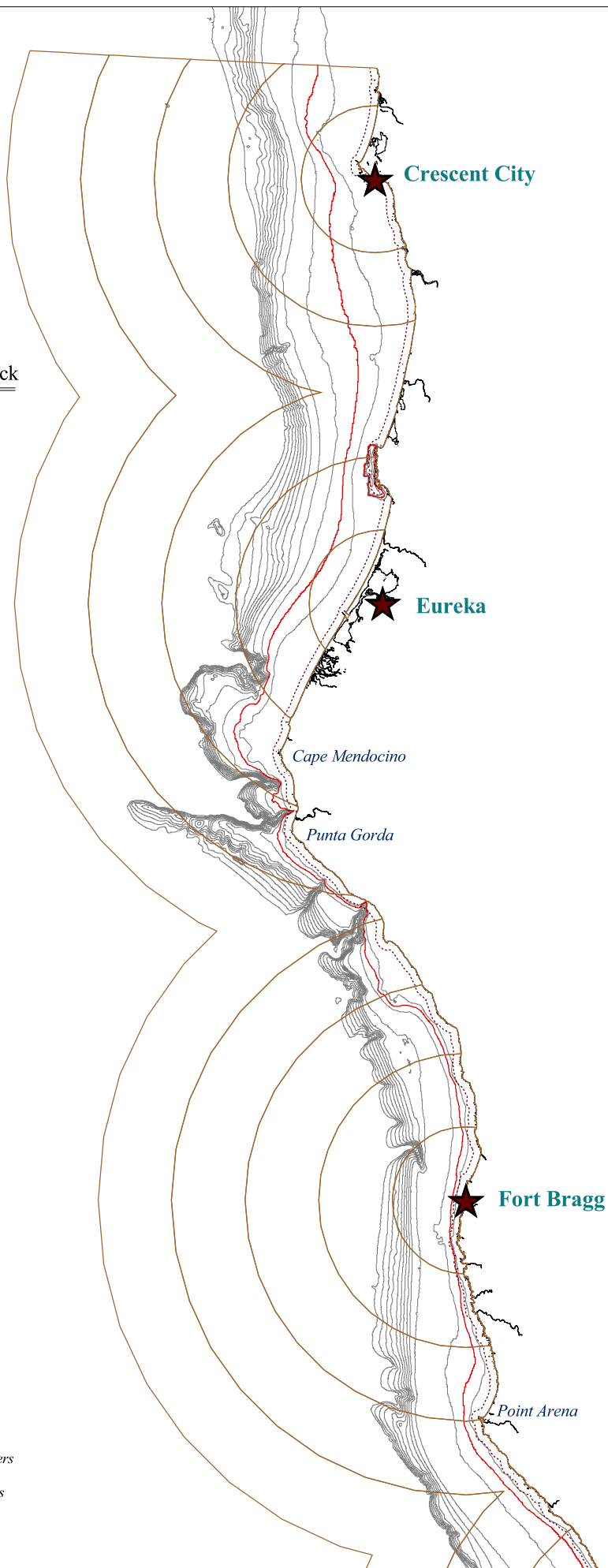
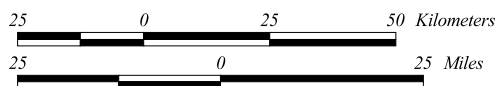
# Northern California



## Calico Rockfish, *Sebastes dallii* 1993-1999 Commercial Catch by Ports & by Block California Department of Fish & Game



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Scale 1 : 1,500,000



## **Abbreviated Life History of Calico Rockfish (*Sebastes dalli*)**

	<p>The calico rockfish is a small, colorful rockfish species that does not exceed 10 in. in length or 2 pounds in weight.</p>
<b><i>Distribution, Stock Structure and Migration</i></b>	<p>Calico rockfish range from Sebastian Viscaïno Bay, Baja California to San Francisco. They inhabit a depth range of 60 to 840 ft.</p>
<b><i>Age and Growth</i></b>	<p>Calico rockfish have been aged to a maximum of 11-12 yr.</p>
<b><i>Reproduction, Fecundity and Seasonality</i></b>	<p>Male calico rockfish first become sexually mature at age seven. Female calico rockfish become sexually mature at age nine. Spawning occurs in southern California between January and May, with peak spawning occurring in February. Fertilized eggs are present in November and December. The larval stage lasts from less than four weeks to two months.</p>
<b><i>Natural Mortality</i></b>	<p>Estimates for natural mortality were not available for calico rockfish.</p>
<b><i>Diseases</i></b>	<p>No information is available on diseases in calico rockfish.</p>
<b><i>Predator/Prey Relationships</i></b>	<p>Juvenile calico rockfish feed on zooplankton such as copepods, barnacle cyprids, and larval fish. Adults feed on larger crustaceans such as euphausiids, fishes, and cephalopods. Larger rockfish species, lingcod, cabezon, and salmon prey upon adult calico rockfish. Sea birds and dolphins have also been known to feed on calico rockfish.</p>
<b><i>Competition</i></b>	<p>Calico rockfish probably compete with other foraging rockfish species and other finfishes with similar food habits.</p>
<b><i>Critical Habitat</i></b>	<p>Juvenile calico rockfish are found in areas of soft sand-silt sediment, and on artificial reefs. Adult calico rockfish inhabit rocky shelf areas where there is a mud-rock or sand-mud interface with fine sediments. They are associated with areas of high and low relief, including artificial reefs.</p>
<b><i>Status of Stocks</i></b>	<p>There are currently no estimates of abundance for calico rockfish in California. Because of the relatively small size of adult calico rockfish, they are not usually targeted by either sport or commercial fishermen, but are caught incidentally when other finfish species are targeted. Calico rockfish frequently appear as a bycatch in prawn trawls in southern</p>



California, and are caught by sport anglers on Commercial Passenger Fishing Vessels (CPFVs) and private boats when they are fishing for other, larger benthic species.